

Contents

Review Article

| | |
|--|-----|
| Dorn, A., Weisenseel, M. H.: Advances in Vibrating Probe Techniques | 89 |
| Weisenseel, M. H., s. Dorn, A. | 89 |
| Brown, R. M. Jr., s. Roberts, E. | 1 |
| Cohen, W. D.: The Cytomorphic System of Anucleate Non-Mammalian Erythrocytes | 23 |
| Collinge, Annette J., Markham, P.: Hyphal Tip Ultrastructure of <i>Aspergillus nidulans</i> and <i>Aspergillus giganteus</i> and Possible Implications of Woronin Bodies Close to the Hyphal Apex of the Latter Species | 209 |
| Davey, M. R., s. Knights, I. K. | 57 |
| Edgar, L. A., Pickett-Heaps, J. D.: Ultrastructural Localization of Polysaccharides in the Motile Diatom <i>Navicula cuspidata</i> | 10 |
| Eleftheriou, E. P., Tsekos, I.: Development of Protophloem in Roots of <i>Aegilops comosa</i> var. <i>thessalica</i> . I. Differential Divisions and Pre-Prophase Bands of Microtubules | 110 |
| Eleftheriou, E. P., Tsekos, I.: Development of Protophloem in Roots of <i>Aegilops comosa</i> var. <i>thessalica</i> . II. Sieve-Element Differentiation | 221 |
| Fineran, B. A., Ingerfeld, M.: Graniferous Tracheary Elements in the Haustorium of <i>Atkinsonia ligustrina</i> , a Root Hemiparasite of the <i>Loranthaceae</i> | 150 |
| Furuya, Masaki, s. Wada, Masamitsu | 132 |
| Gates, P. J., s. Oparka, K. J. | 33 |
| Glas, R., Robinson, D. G.: On the Induction of Cup-Shaped Dictyosomes in Suspension Cultured <i>Acer pseudoplatanus</i> | 97 |
| Haigler, C. H., s. Roberts, E. | 1 |
| Hüsemann, W.: Photoautotrophic Growth of Cell Suspension Cultures from <i>Chenopodium rubrum</i> in an Airlift Fermenter | 214 |
| Ingerfeld, M., s. Fineran, B. A. | 150 |
| Jelsema, Carole L., Morré, D. J., Ruddat, M.: Phospholipid Metabolism of Wheat Grains: Enzymes of the CDP-Diglyceride Phospholipid Biosynthetic Pathway | 120 |
| Jordan, E. G., s. Williams, L. M. | 189 |
| Knights, I. K., Davey, M. R., Lucas, J. A.: The Ultrastructure of Dormant, Germinating, and Photo-Inhibited Uredospores of the Rust Fungus <i>Puccinia graminis</i> f. sp. <i>tritici</i> | 57 |
| Lucas, J. A., s. Knights, I. K. | 57 |
| Maier, I.: New Aspects of Pheromone-Triggered Spermatozoid Release in <i>Laminaria digitata</i> (<i>Phaeophyta</i>) | 137 |
| Markham, P., s. Collinge, Annette J. | 209 |
| Mineyuki, Yoshinobu, s. Wada, Masamitsu | 132 |
| Moisand, A., s. Wright, M. | 44 |
| Moisand, A., s. Wright, M. | 69 |
| Morré, D. J., s. Jelsema, Carole L. | 120 |
| Oparka, K. J., Gates, P. J.: Ultrastructure of the Developing Pigment Strand of Rice (<i>Oryza sativa</i> L.) in Relation to Its Role in Solute Transport | 33 |
| Oustrin, M. L., s. Wright, M. | 44 |
| Pickett-Heaps, J. D., s. Edgar, L. A. | 10 |
| Rashid, A., Siddiqui, A. W., Reinert, J.: Subcellular Aspects of Origin and Structure of Pollen Embryos of <i>Nicotiana</i> | 202 |
| Reinert, J., s. Rashid, A. | 202 |
| Roberts, E., Seagull, R. W., Haigler, C. H., Brown, R. M. Jr.: Alteration of Cellulose Microfibril Formation in Eukaryotic Cells: Calcofluor White Interferes with Microfibril Assembly and Orientation in <i>Oocystis apiculata</i> | 1 |

| | |
|--|-----|
| Robinson, D. G., s. Glas, R. | 97 |
| Rücker, Waltraud: Morphactin-Induced Changes in the Cytokinin Effect on Tissue and Organ Cultures of <i>Nicotiana tabacum</i> | 103 |
| Ruddat, M., s. Jelsema, Carole L. | 120 |
| Schraudolf, H.: Effects of Metronidazole on Growth, Chloroplast Structure and Differentiation in Gametophytes of <i>Anemia phyllitidis</i> L. Sw. | 144 |
| Seagull, R. W., s. Roberts, E. | 1 |
| Shimmen, T., Tazawa, M.: Reconstitution of Cytoplasmic Streaming in Characeae | 127 |
| Siddiqui, A. W., s. Rashid, A. | 202 |
| Spiegel, F. W.: The Ultrastructure of the Trophic Cells of the Protostelid <i>Planoprotostelium aurantium</i> | 165 |
| Spiegel, F. W.: Mitosis in the Protostelid <i>Planoprotostelium aurantium</i> | 178 |
| Tazawa, M., s. Shimmen, T. | 127 |
| Tsekos, I., s. Eleftheriou, E. P. | 110 |
| Tsekos, I., s. Eleftheriou, E. P. | 221 |
| Tucker, E. B.: Translocation in the Staminal Hairs of <i>Setcreasea purpurea</i> . I. A Study of Cell Ultrastructure and Cell-to-Cell Passage of Molecular Probes | 193 |
| Wada, Masamitsu, Mineyuki, Yoshinobu, Furuya, Masaki: Change in the Rate of Organelle Movement During Progression of the Cell Cycle in <i>Adiantum protonemata</i> | 132 |
| Williams, L. M., Jordan, E. G.: Nuclear and Nucleolar Inclusions in Root Tip of <i>Brassica napus</i> L. | 189 |
| Wright, M., Moisand, A., Oustrin, M. L.: Stabilization of Monoasters by Taxol in the Amoebae of <i>Physarum polycephalum</i> (<i>Myxomycetes</i>) | 44 |
| Wright, M., Moisand, A.: Spatial Relationships Between Centrioles and the Centrosphere in Monoasters Induced by Taxol in <i>Physarum polycephalum</i> Amoebae | 69 |
| Brief Reports | |
| Bhaskaran, S., s. Vatsya, Bhartendu | 161 |
| Emons, Anne Mie C.: Microtubules Do Not Control Microfibril Orientation in a Helicoidal Cell Wall | 85 |
| Kikuyama, M., Tazawa, M.: Ca^{2+} Ion Reversibly Inhibits the Cytoplasmic Streaming of <i>Nitella</i> | 241 |
| Pickett-Heaps, J. D., s. Tippit, D. H. | 234 |
| Rashid, A., Siddiqui, A. W., Reinert, J.: Subcellular Aspects of Differentiation of Microspore Mother Cells of <i>Nicotiana tabacum</i> | 80 |
| Reinert, J., s. Rashid, A. | 80 |
| Ruiz, M. L., Vazquez, A. M.: Colchicine Effect on the Chromosome Number of Barley Embryos Cultured <i>in vitro</i> | 237 |
| Siddiqui, A. W., s. Rashid, A. | 80 |
| Smith, H., s. Tippit, D. H. | 234 |
| Tazawa, M., s. Kikuyama, M. | 241 |
| Tippit, D. H., Smith, H., Pickett-Heaps, J. D.: Cell Form Mutants in <i>Micrasterias</i> | 234 |
| Vatsya, Bhartendu, Bhaskaran, S.: Plant Regeneration from Cotyledonary Protoplasts of Cauliflower (<i>Brassica oleracea</i> L. var. <i>botrytis</i> L.) | 161 |
| Vazquez, A. M., s. Ruiz, M. L. | 237 |
| Erratum | 88 |
| Listed in Current Contents | |